

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/822,639 Confirmation No.:1937

Applicant(s) : Pappin et al.

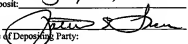
Filed : 04/12/2004

TC/A.U. : 1654

Examiner : Marcela M. Cordero Garcia

For : Mixtures of Isobarically  
Labeled Analytes and  
Fragment Ions Derived  
Therefrom

Customer No. : 23544

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**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
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Sir:

Applicants submit herewith patents, publications or other information (listed on the attached Form PTO 1449) of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56.

This Information Disclosure Statement:

- (a) ☐ accompanies a new patent application submitted herewith.
- (b) ☐ is filed within three months after the filing date of the application or within three months after the date of entry of the national stage of a PCT application as set forth in 37 CFR §1.491.
- (c) ☐ as far as is known to the undersigned, is filed before the mailing date of a first Office action on the merits.
- (d) ☐ as far as is known to the undersigned, is filed before the mailing date of a first

- Office action after the filing of a request for continued examination under § 1.114.
- (e) ☒ is filed after the first Office Action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned, prior to the mailing date of either a final action under §1.113, a notice of allowance under §1.311, whichever occurs first, and is accompanied by either the fee (\$180) set forth in 37 CFR §1.17(p) or a certification as specified in 37 CFR §1.97(e), as checked below. Should any fee be due, the U.S. Patent and Trademark Office is hereby authorized to charge Deposit Account No. 01-2213 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement. Any deficiency or overpayment should be charged or credited to this deposit account.
- (f) ☐ is filed after the mailing date of either a final rejection or a notice of allowance, but on or before the payment of the issue fee, and is accompanied by the fee (\$180) set forth in 37 CFR §1.17(i)(1) **and a certification as specified in 37 CFR §1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the information disclosure statement.** The U.S. Patent and Trademark Office is hereby authorized to charge Deposit Account No. 01-2213 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement. Any deficiency or overpayment should be charged or credited to this deposit account.

[If either of boxes (e) or (f) is checked above, the following "certification" under 37 CFR §1.97(e) may need to be completed.] The undersigned certifies that:

- ☐ Each item of information contained in the information disclosure statement was first cited in a communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this information disclosure statement.

A copy of the items on PTO Form 1449 that are not United States Publications:

- ☒ are supplied herewith.
- ☐ are not supplied because they were previously cited by or submitted to the Office

in prior application Serial No. \_\_\_\_\_, filed \_\_\_\_\_ and relied upon in this application for an earlier filing date under 35 USC §120.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR §1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR §1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR §1.98 and MPEP §609 and the Examiner is respectfully requested to consider the listed references.

Respectfully submitted,

Date: \_\_\_\_\_

May 9, 2007

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Substitute for form 1449A/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			Application Number	10/822,639	
			Filing Date	04/12/2004	
			First Named Inventor	Pappin, Darryl	
			Group Art Unit	1654	
			Examiner Name	Marcela M Cordero Garcia	
Sheet	1	of	1	Attorney Docket No.	BP0309US-CP1

U.S. PATENT DOCUMENTS				
U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
Number	Kind Code <sup>1</sup> (if known)			

FOREIGN PATENT DOCUMENTS							
Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
BV		EP0209763			7/1/86		x

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	GU	PCT International Search Report and Written Opinion mailed 10 August 2006 US04/02077	
	GV	Duffield, A. et al., "Mass Spectrometry in Structural and Stereochemical Problems LVIII. A Study of the Fragmentation Processes of Some Lactams", Contribution from the Department of Chemistry of Stanford University, Stanford, CA, August 5, 1964, pgs. 5536-5541	
	GW	Gatlin, C et al., "Carboxylate and Amine Terminus Directed Fragmentations in Gaseous Dipeptide Complexes with Copper (II) and Diimine Ligands Formed by Electrospray, Anal. Chem. 1996, 68, 263-270	
	GX	Gatlin, C et al., "Copper(II) Amino Acid Complexes in the Bas Phase", J. Am. Chem. Soc. 1995, 117, 3637-3638	
	GY	Haralambidou, E., et al., "Effect of Distal Positional Isomerism on Peptide Fragmentation. A Comparison of Dimethylaminobenzylidene and Benzoyl Derivatives", Organic Mass Spectrometry, 10: 683-697 (1975)	
	GZ	Lunazzi L., et al. "The effect of exocyclic conjugation on the inversion of a saturated six-membered ring. A dynamic NMR study of N-substituted morpholines" Tetrahedron 1991 United Kingdom, vol. 47, no. 35, 1991, pgs. 7465-7470	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST-16 if possible. \* Applicant is to place a check mark here if English language Translation is attached.

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